

SECTION 1C GENERAL ENVIRONMENTAL CONDITIONS

STORM WATER POLLUTION PREVENTION PLAN REQUIREMENTS

PART 1 - GENERAL

- 1.1 These requirements apply to areas of excavation, grading and clearing greater than 100 square feet.
- 1.2 The Contractor is responsible for providing the National Pollutant Discharge Elimination System (NPDES) permit as required for dewatering or other storm water discharge associated with the Construction. The Contractor shall submit the Pollution Prevention Plan.

PART 2 - CONTROLS

- 2.1 The Contractor shall provide permanent seeding within seven calendar days of the last activity at the areas being finally graded.

PART 3 - STRUCTURAL PRACTICES

- 3.1 These practices as shown on the drawings or as proposed by the Contractor and approved by the Contracting Officer, shall be used to divert flows from exposed soils, store flows, or otherwise limit runoff from exposed areas of the site. These listed structure controls shall be considered (but are not limited to these practices) and where necessary, utilized to achieve these goals. They include:
 1. Silt fences
 2. Earth dikes
 3. Drainage swales
 4. Storm drain inlet protection

PART 4 - IMPLEMENTATION OF STRUCTURAL PRACTICES

- 4.1 For all sites, silt fences, and other sediment controls are required for all boundaries of the construction area.
- 4.2 The Contractor will maintain, repair, or restore all grade surfaces, walls, dams and structures, vegetation, erosion, and sediment control measures and other protective devices.
- 4.3 The Contractor shall inspect all erosion control practices on the site at least every seven days and within 24 hours after a storm event of 0.5 inches or more. Contractor shall take action to eliminate any deficiencies found during these inspections. Documentation of the inspections, the finding, and any corrective actions shall be maintained at the site.

Deficiencies include, but are not necessarily limited to discharges containing pollutants that produce:

1. Films
2. Colors
3. Turbidity of deposits
4. Odors, or
5. Toxic substances

NOTE: ANY MISSED INSPECTIONS OR FALSE INSPECTIONS SHALL BE IMMEDIATELY REPORTED TO THE NEBRASKA DEPARTMENT OF ENVIRONMENTAL QUALITY. FAILING TO FOLLOW THE REQUIREMENTS OF THE NPDES PERMIT CAN LEAD TO FINES OF UP TO \$25,000 PER DAY FOR EACH DAY OF VIOLATION AND POSSIBLE IMPRISONMENT.

- 4.4 An inspection log form has been included in these documents. Report any discharges or erosion control deficiencies to the Contracting Officer Representative.

PART 5 - OTHER CONTROLS

- 5.1 Waste disposal, all wastes composed of building materials must be removed from the site for disposal in licensed disposal facilities.
- A. No building material wastes or unused building materials shall be buried or dumped or discharged to the waters of the State at the site.
 - B. Contractor shall install, if directed by the Contracting, and maintain at each site graveled access entrance and exit drives and parking areas to reduce the tracking of sediment onto roads.
 - C. All unpaved roads on the site carrying more than 24 vehicles per day shall be graveled and maintained.
 - D. All Nebraska Department of Environmental Quality and City of Omaha sanitary sewer requirements and regulations shall be strictly adhered to.

PART 6 - FUEL AND CHEMICAL STORAGE AREAS

- 6.1 Provide impervious containment around all fueling and chemical storage areas (large enough to contain 110% of the largest container and/or 10% of the total quantity of material stored, whichever is greater) to ensure that spills in these areas will not reach waters of the State. All hazardous, non-hazardous, and regulated materials shall be carefully handled during use, storage, and transportation to and from the construction area to prevent any spillage.

PART 7 - CONTRACTORS

7.1 All Contractors and subContractors must sign a copy of the Certification Statement.

Certification Statement: All Contractors and subContractors identified in a storm water pollution prevention plan shall sign a copy of the following certification statement before conducting any professional service at the site identified in the storm water pollution prevention plan:

“I certify under penalty of law, that I understand the terms and conditions of the General National Pollutant Discharge Elimination System (NPDES) permit that authorized the storm water discharges associated with industrial activity from the construction site identified as part of this certification.”

This Certification must include the name and title of the person providing the signature, the name, address, and telephone number of the contracting firm; the address of the site; and the date the certification is made.

PART 8 CONTRACTOR SUBMITTALS:

- Timetable for all major activities.
- List of all Contractors and subContractors that are going to be working on the site and identify the Contractor and/or subContractor who will install each control device.
- Description of measures to take control erosion, which is to include site map showing location of control practices and types of control practices and types of control measure to be used (locations of individual control structures shall be numbered).
- Description of measures to take to prevent/control fuel/chemical spills.
- Classifications of fill materials to be used.
- Implementation of structural practices.
- Name and location of disposal facility, proof of disposal facility license, and proof of disposal.
- Certification Statement.

INSPECTION LOG OF EROSION CONTROL PRACTICES IMPLEMENTED FOR:

PROJECT:

DATE: _____

This log shall be completed in the field during the inspection.

This inspection log is to be completed on a weekly basis and within 24 hours after a storm event of 0.5 inches or more. Contractor shall inspect the performance (after storm events) and integrity of all control structures. (If more than one control structure exists, the location # on this log shall correspond to the location # on the site map submitted by the Contractor.)

[illegible]

CORRECTIVE ACTIONS:

INSPECTOR

NAME: _____ NAME _____
(Print) (Signature)

NOTE: ANY MISSED INSPECTIONS OR FALSE INSPECTIONS SHALL BE IMMEDIATELY REPORTED TO THE NEBRASKA DEPARTMENT OF ENVIRONMENTAL QUALITY. FAILING TO FOLLOW THE REQUIREMENTS OF THE NPDES PERMIT CAN LEAD TO FINES OF UP TO \$25,000 PER DAY FOR EACH DAY OF VIOLATION AND POSSIBLE IMPRISONMENT.

PART 9. CLEAN UP. Clean up of all items shall be accomplished by the end of each day. Debris, trash, and items removed and to be disposed of shall be removed from the work site and storage areas at the end of each day's work and disposed of outside the confines of the construction areas, in a Contractor provided area. The Contractor will also be responsible for cleaning mud, rock, and debris deposited by the Contractor's, sub-Contractor's, or supplier's vehicles from all roads in the construction areas used by these vehicles.

PART 10. ARCHEOLOGICAL DISCOVERIES. If archeological resources are encountered during construction, the Contractor will immediately cease operations and report their findings to the Government Construction Representative and to the Contracting Officer or designated representative. Procedures are outlined in Air Force Instruction 32-7065 (Cultural Resources Management), Paragraph 2.8, and will then be followed in final disposition of these items.

PART 11. HAZARDOUS MATERIALS AND MATERIAL SAFETY DATA SHEETS.

Hazardous material includes the following:

- Hazardous materials as defined by The Department of Transportation in 29 CFR 172,
- Hazardous substances, extremely hazardous substances, toxic chemicals and hazardous waste as defined by EPA in Title III of the Superfund Amendments and Reauthorization Act and the Resource Conservation and Recovery Act, in 40 CFR, and
- Hazardous Chemicals and Hazardous Substances as defined by the Occupational Safety and Health Administration (OSHA) in 29 CFR.

Fifteen (15) working days prior to bringing hazardous materials onto Offutt AFB the Contractor shall submit, for 55 CES/CEV approval, the Material Safety Data Sheets and quantity information on all hazardous materials they (including all subContractors) intend to use throughout the life of the contract. In addition, Contractors that use hazardous materials are required to complete Offutt's hazardous waste training course (see Disposal of Regulated Waste, Paragraph 25, below) prior to bringing hazardous materials on base.

All hazardous and non-hazardous materials shall be stored and handled in accordance with all OSHA and NFPA requirements. In addition to those requirements, all storage and staging areas shall be provided with secondary containment and shall be located away from traffic areas and protected from any incursion into the area that could damage the containers or cause a spill. Secondary containment shall be provided to contain 110% of the volume of the largest container stored so as to contain any spills or leaks. In addition, when outdoors all hazardous and non-hazardous materials shall be covered to avoid contact with the elements and precipitation from entering the secondary containment structure.

Prior to bringing any hazardous material on base, the Contractor shall submit for CEV approval through the Contracting Officer or designated representative a hazardous material storage plan stating how the Contractor shall meet the above requirements. Plan shall include method of storage handling, staging, and use of the materials

Contractor shall immediately report all spills of hazardous materials to the Fire Department and

to the Contracting Officer or designated representative. The Contractor is responsible for the clean up of all spilled material including restoration of the any areas contaminated by the spill including costs incurred by the government for any assistance or remedial action taken by the government on behalf of the Contractor. All clean up and restoration shall be done to the satisfaction of the government.

PART 12. REPORT OF HAZARDOUS MATERIAL CONSUMED. Upon completion of project, before 100 percent payment is made, all quantities of consumed hazardous material on this job will be submitted through the Contracting Officer or designated representative for CEV recordkeeping. If the project is not complete by 1 January, all hazardous material used on this job before that date must be submitted by 1 February and again at the completion of the project before 100 percent payment is made.

PART 13. DISPOSAL OF REGULATED WASTES

Contractor shall comply with all federal, state, local, and Offutt AFB regulations and requirements concerning the proper handling, accumulation, and disposal of regulated wastes. These include, but are not limited to:

Title 40 Code of Federal Regulations (CFR) Parts 260/280 (40 CFR 206-280)-

Federal solid and hazardous waste regulations.

Title 49 Code of Federal Regulations (CFR) Parts 171-173 (49 CFR 171-173)-

Federal transportation regulations.

Title 40 Code of Federal Regulations (CFR) Part 112 (40 CFR 112)-

Spill Prevention Control and Countermeasure Plan

State of Nebraska Administrative Code Title 128-

State solid and hazardous waste regulations.

City of Omaha Code Chapter 31-

City of Omaha sewer standards

Offutt AFB Hazardous Waste Management Plan-

Summarizes the hazardous waste accumulation and storage requirements.

The Contractor is responsible for ensuring all contract personnel that handle or are exposed to hazardous waste are trained in accordance with the above regulations/requirements. The Offutt AFB Environmental Management Flight (55 CES/CEV telephone # (402) 294-4087) conducts training satisfying the above training requirements at no cost to the Contractor. The training is held on the first and third Mondays of each month, except on Federal Holidays, and lasts approximately one hour. Contractor shall submit through the Contracting Officer or designated representative for CEV records certification of training. At the Contractor's option, one representative may attend the above class and then train the remaining Contractor personnel. If this option is chosen, the Contractor will submit documentation for CEV records that all Contractor personnel who handle hazardous waste have been trained.

Items that can be considered regulated wastes include, but are not limited to, paints, thinners, solvents, adhesives, acids and caustics compounds, fuels and oils intended for disposal, lead acid batteries, fluorescent light tubes, etc. The Contractor shall be responsible for identifying, storing, and accumulating all regulated wastes generated during the course of the project. Contractor is also responsible for sampling and analysis of all containers of wastes generated to obtain an accurate profile of any hazardous characteristics. Sampling and analysis shall be

conducted by an accredited laboratory at no additional cost to the government. Based on that analysis, wastes shall be identified as hazardous, prohibited, or non-regulated wastes.

Contractor shall supply all containers which shall be new or refurbished and labeled as DOT approved. Containers shall be compatible with the material/waste stored in them. Secondary containment (meeting the requirements of paragraph 23) for all containers shall be provided and all additional storage and handling requirements called out in the Offutt hazardous waste training guide shall be followed.

For wastes identified as hazardous, the Contractor shall provide test results and waste characterization through the Contracting Officer or designated representative to 55 CES/CEV two weeks before disposal. If hazardous waste is accumulated in quantities equal to or exceeding 55 gallons, or prior to completion of this Contract, the Contractor shall deliver all hazardous waste for disposal within three days to either one of the 90-Day accumulation points or to the Offutt AFB Defense Reutilization and Marketing Office (DRMO). If full waste characterization is not available, the Contractor will store the waste at one of the 90-day accumulation points; when analysis is complete, the Contractor will subsequently move the waste to DRMO. All drum movements to any 90-day or to DRMO by the Contractor will be at no additional cost to the government.

Prohibited wastes are liquids or liquids containing solids that are prohibited by Omaha code from being disposed of to the sanitary sewer. Contractor shall submit test results through the Contracting Officer or designated representative for CEV to determine proper disposal. Contractor will be directed to deliver the container to either one of the 90-day accumulation points or to the Conforming Storage Facility on base at no additional charge to the government.

Special wastes are wastes that require prior approval from the landfill to be disposed of. These wastes (e.g. fuel contaminated soil) shall be disposed of at either the Douglas County or Butler County Landfills. The Contractor must submit a request for disposal along with all required testing analysis and receive approval of CEV through the Contracting Officer or designated representative for disposal of special wastes to either landfill. Contractor is responsible for all costs associated with disposal of special wastes. Non-regulated wastes (e.g. C and D wastes) shall be disposed of at an NDEQ approved landfill. Contractor is responsible for all costs associated with the disposal of non-regulated wastes.

PART 14. SPILL PREVENTION CONTROL AND COUNTERMEASURES (SPCC) PLAN:

The Contractor is responsible for handling, using, and storing all regulated petroleum oil (including fuel) on the facility in accordance with the requirements of 40 CFR 112 and Offutt's Spill Prevention Control and Countermeasures Plan. Prior to bringing any petroleum storage container on base the Contractor shall submit certification for CEV approval that the owner of the container has in-place a SPCC plan in accordance with 40 CFR 112 and that the container is a part of that plan. Contractor shall submit a Petroleum Container Storage Plan through the Contracting Officer or designated representative for CEV approval. The plan shall include the following information:

- (a) Site plan with the location of containers,
- (b) Capacity of each container,

- (c) Contents of each container,
- (d) Containers must have secondary containment that will contain 110% of the capacity of the container. If secondary containment is not available the container must be labeled with a certification that it has passed integrity testing performed in accordance with 40 CFR 112 within the past two years.
- (e) List (type and quantity) of spill control and clean-up materials in sufficient quantity to contain and cleanup the quantity of regulated petroleum products stored.
- (f) Certification the tanks meet all of the following requirements:
 - The capacity of the tank shall not exceed 12,000 gal (45,420 L).
 - All piping connections to the tank shall be made above the normal maximum liquid level.
 - Means shall be provided to prevent the release of liquid from the tank by siphon flow.
 - Means shall be provided for determining the level of liquid in the tank. This means shall be accessible to the delivery operator.
 - Means shall be provided to prevent overfilling by sounding an alarm when the liquid level in the tank reaches 90 percent of capacity and by automatically stopping delivery of liquid to the tank when the liquid level in the tank reaches 95 percent of capacity. In no case shall these provisions restrict or interfere with the proper functioning of the normal vent or the emergency vent.

All Contractor equipment (including containers and vehicles) shall be kept in good condition while on the base. Any equipment found leaking or dripping any hazardous material (e.g. oil, fuel, etc.) shall be taken out of service immediately until repaired and all spilled material shall be cleaned up by the Contractor.

PART 15. MATERIAL SPILLAGE. Carefully handle all hazardous, non-hazardous, and regulated materials during use, storage, and transportation to and from the construction area to prevent any spillage.

- a. All non-hazardous and non-regulated material spillage shall be immediately and thoroughly cleaned-up and removed from the construction area(s) at the end of each day.
- b. In case of a spill of a hazardous or regulated material, the Contractor shall immediately notify the Offutt AFB Fire Department (call 911), the Government Construction Representative, and the Contracting Officer. The Contractor shall be responsible for the immediate and long-term clean up of all spill material and associated contaminated media. Clean up of spills shall be under the supervision of the Base Fire Department, the Base Spill Response Team, or 55 CES/CEV and the Government Construction Representative. Clean up of spill material shall be in accordance with the State of Nebraska Regulation Title 128, "Rules and Regulations Governing Hazardous Waste Management in Nebraska," and Title 40 of the Code of Federal Regulations, Section 260-280 (40 CFR 260-280). Waste spill material shall be disposed of in accordance with the section titled "Disposal of Regulated Waste."

PART 16. WASTE WATER DISCHARGES.

Any release of waste water onto the ground or into Waters of the State from Offutt's sanitary

sewer collection system shall be immediately reported to the contracting officer and the contract inspector. The report shall include the following information:

- Location of release,
- Time of release,
- Cause of release,
- Amount released,
- Corrective actions taken.

The Contractor is responsible for the cost of all cleanup associated with any release. A written report containing the same information as the verbal report shall be submitted for CEV records through the Contracting Officer or designated representative within 24-hours of the release.

PART 17. NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMITS FOR CONSTRUCTION ACTIVITIES.

Construction activities (including other land-disturbing activities) that disturb one acre or more are regulated under the NPDES storm water program and require a NPDES Permit for Storm Water Discharges from a Construction Site. This includes smaller sites that are part of a larger common plan of development that will or has the potential to disturb 1 acre or more of land over the duration of the contract.

Operators of regulated construction sites are required to obtain permit coverage from the Nebraska Department of Environmental Quality (NDEQ) and to develop and implement a Storm Water Pollution Prevention Plan (SWPPP) in accordance with the permit. A copy of the Construction Storm Water- Notice of Intent (CSW-NOI) submittal and the SWPPP required by NDEQ shall also be submitted through the Contracting Officer or designated representative to 55 CES/CEV for approval. In addition, NDEQ documentation of the issuance of the permit shall be submitted through the Contracting Officer or designated representative to CEV.

Prior to beginning construction the Contractor shall have both a NDEQ NPDES Permit and approval of the SWPPP through the Contracting Officer or designated representative from CEV.

Temporary and permanent structural practices shall be installed in accordance with the City of Omaha Soil Erosion and Sediment Control Manual (copies available from the city of Omaha Public Works Department) and maintained in accordance with the issued NPDES permit requirements to eliminate sediment and other contaminants from leaving the construction site.

Documentation of all inspections required by the permit shall be kept on site and be available to the government upon request. Any deficiencies with the SWPPP discovered during the course of the project shall be corrected immediately.

Construction activities that disturb less than one acre require the submittal, for CEV approval, of a SWPPP (IAW NDEQ permit requirements) and the installation and maintenance of temporary and permanent structural practices (IAW the City of Omaha Soil Erosion and Sediment Control Manual) to eliminate sediment and other contaminants from leaving the construction site. Inspections of the structures shall be IAW the NDEQ permit requirements. A copy of the standard permit for construction sites is available on the NDEQ web site.

PART 18. NPDES PERMIT FOR DEWATERING OPERATIONS

All dewatering operations (including, but not limited to, pumping from an excavation, lowering the groundwater level via well points, hydrostatic testing, etc.) require dewatering permits issued by NDEQ. The Contractor is responsible for obtaining and meeting all the requirements of dewatering permits. A copy of all NOI for the permit shall be submitted through the Contracting Officer or designated representative for CEV for review. No dewatering operation shall occur until a permit has been issued by NDEQ to the Contractor and submitted through the Contracting Officer or designated representative to CEV for verification. Copies of all reports, inspections, analytical testing, etc. sent to NDEQ as part of the permit requirements shall be submitted through the Contracting Officer or designated representative to CEV at the same time they are submitted to NDEQ.

For dewatering in areas with contaminated groundwater, the Contractor shall be responsible for weekly sampling and analysis for priority pollutants (VOCs and semi-VOCs, metals, etc.) in accordance with the permit requirements. In addition, the Contractor shall submit through the Contracting Officer or designated representative for CEV approval the method of disposal of the water. Generally, if analysis indicates the contamination in the water exceeds the permit limits, the Contractor, with the approval of CEV through the Contracting Officer or designated representative, can discharge the water to the sanitary sewer. If analysis indicates contamination levels below the permit limits, the Contractor, upon CEV approval through the Contracting Officer or designated representative, can discharge the water to the storm sewer. The Contractor shall be responsible for all the material and labor cost associated with the requirements of the permit and discharging the water to either type of sewer based on the weekly analytical results.

PART 19. DUST CONTROL. Control of dust during construction, demolition activities, debris removal and any other activities required as a part of the work under this contract must be thorough and complete. For inside construction: dust tight partitions shall be required to separate phases of construction and must be continuously maintained to effectively contain dust. Outside construction: dust/particulate matter associated with the construction process is not to become airborne in such quantities and concentrations that it remains visible in the ambient air beyond the boundaries of the construction site. Dust control shall be addressed in the Storm Water Pollution Prevention Plan (SWPPP) as required by NPDES subsection below.

PART 20. AIR PROGRAM REQUIREMENTS

The following air emission units, when involved as part of a construction project, require issuance of a construction permit (in accordance with NDEQ Title 129, Chapter 17, Section 001) prior to beginning construction work associated with the emission unit. The permit application will be completed by 55 CES/CEVC after being notified by the Contractor through the Contracting Officer or designated representative of this need/requirement. The Contractor must allow approximately 90 days between the start of the permit application and issuance of the permit:

- Specs for a generator (emergency or permanent) with an engine power greater than 220 KW
- Incinerator installation
- Installation/modifications to bulk storage tanks

- Construction/modifications to the fire training simulator
- Construction of a single boiler greater than 10 million BTU/hr
- Construction of a paint booth or modifications to an existing booth

Any questions concerning the need for an air construction permit can be directed through the Contracting Officer or designated representative to 55 CES/CEVC.

PART 21. SOURCES OF RADIATION: The Contractor will comply with AFI 40-201 and AFI40-201/OAFBSUP1, 1 Nov 00

- a. These requirements apply to but are not limited to nuclear gauges and nuclear densometers used for testing material densities such as soil and asphaltic pavements.
- b. Coordinate the use of radiation generating equipment with Bioenvironmental Engineer (tel.: 232-7477 or 294-6431) through the Contracting Officer or designated representative.
- c. All Contractors bringing or using radioactive materials, radiography equipment, portable x-ray units, or radiofrequency-emitting (RF) devices on Offutt AFB must have a current Nuclear Regulatory Commission (NRC) License or Agreement or a Nebraska State License.
- d. Contractor radiation sources (CONRAS) permit: All Contractors bringing or using radioactive materials, radiography equipment, portable x-ray units, or radiofrequency-emitting (RF) devices on Offutt AFB require written authorization from the Offutt Bioenvironmental Engineer in the form of a CONRAS permit.

PART 21. NONHAZARDOUS SOLID WASTE DIVERSIONS.

Contractor will track and report the amount of construction and demolition debris disposed in a landfill, recycled, or sent to a waste-to-energy incinerator each quarter. The attached form will be completed and provided to the Government Construction Representative no later than the first working day after the end of each quarter (31 Dec, 30 Apr, 30 Jun, 30 Sep). In keeping with the Air Force solid waste diversion rate goal, the Contractor will attempt to divert at least 40% of the construction and demolition debris generated during the project. The waste may be reused, recycled, sent to a waste-to-energy incinerator, or managed in another approved manner that keeps it from going to a landfill. Some items that can be recycled or reused are scrap metal, cardboard, concrete, wood, and asphalt. The Contractor will track and report the amount of construction and demolition debris disposed in a landfill, recycled, or sent to a waste-to-energy incinerator each quarter. The attached form will be completed and submitted through the Contracting Officer or designated representative to Construction Management no later than the first working day after the end of each quarter (31 Dec, 30 Apr, 30 Jun, 30 Sept).

NONHAZARDOUS SOLID WASTE DIVERSION
Project Title:
Project No.:
Contract No.:
Quarter:

L (tons) =	Cost = \$
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R1 =	Cost/Reimbursement/or Cost Avoidance =
R2 =	Cost/Reimbursement/or Cost Avoidance =
R3 =	Cost/Reimbursement/or Cost Avoidance =
R4 =	Cost/Reimbursement/or Cost Avoidance =
R5 =	Cost/Reimbursement/or Cost Avoidance =
R6 =	Cost/Reimbursement/or Cost Avoidance =

I (tons) =

L = Amount (in tons) of nonhazardous solid waste (including construction and demolition debris) transferred to a disposal facility.
R = Amount (in tons) of nonhazardous solid waste that is diverted. R1 - recycled, R2 - reused, R3 - donated, R4 – composted, R5 - mulched, R6 – otherwise diverted.
I = amount (in tons) to waste-to-energy incineration